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PVC

UL AWM Style 1007 300V, 80°C

(JQA-F-)

VW-1

Product Description

Tinned copper, PVC insulated. Rated 80°C, 300V. Rated 600V peak for electronic circuits, and internal wiring of electronic and electrical equipment.



UL and CSA Dual-Rated Wire

UL AWM Style 1007 — 300V, 80°C
(CSA Type TR-64, 90°C)

UL AWM Style 1569 — 300V, 105°C
(CSA Type TRSR-64, 105°C)

(JQA-F- [except 9989])

VW-1

Product Description

Tinned copper, PVC insulated. Rated 105°C, 300V. Rated 600V peak for electronic circuits, and internal wiring of electronic and electrical equipment.



UL AWM Style 1007 300V, 80°C

(CSA Type TR-64, 90°C)

(JQA-F-)

VW-1

Recommended maximum baking cycles:
24 hours @ 300°F (149°C)



Stranded tinned copper conductor
(Uni-Strand®)

Part No.	AWG (stranding) [sq. mm] (stranding in mm)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

300V, 80°C (UL)

UL AWM Style 1007 • JQA-F-

9930	30 (7x38)	.015	.38	.044	1.12	100	30.5	.2	.1	1-5, 7-10, 13
						1000	304.8	2.0	.9	

Dual-Rated • 300V, 80°C and 300V, 105°C (UL & CSA)

UL AWM Style 1007 and 1569 • CSA Types TR-64 and TRSR-64 • JQA-F-

9928	28 (7x36)	.015	.38	.047	1.19	100	30.5	.2	.1	1-5, 7, 9, 10, 13
						1000	304.8	2.0	.9	1-5, 7-10, 13
						5000	1524.0	10.0	4.5	1-5, 7-10, 13
9926	26 (7x34)	.015	.38	.051	1.30	100	30.5	.2	.1	1-5, 7-10, 13
						1000	304.8	3.0	1.4	1-5, 7-10, 13
						5000	1524.0	10.0	4.5	1-5, 7-10, 13
9923	24 (7x32)	.015	.38	.056	1.42	100	30.5	.3	.1	1-5, 7-10, 13
						1000	304.8	4.0	1.8	1-5, 7-10, 13
						5000	1524.0	15.0	6.8	1-5, 7-10, 13
9921	22 (7x30)	.015	.38	.062	1.57	100	30.5	.4	.2	1-10, 13
						1000	304.8	5.0	2.3	1-10, 13
						5000	1524.0	20.0	9.1	1-10, 13
9919	20 (7x28)	.015	.38	.069	1.75	100	30.5	.7	.3	1-5, 7-10, 13
						1000	304.8	6.0	2.7	1-5, 7-10, 13
9920	20 (10x30)	.015	.38	.067	1.70	1000	304.8	6.0	2.7	1-10, 13
						5000	1524.0	25.0	11.4	1-10, 13
9918	18 (16x30)	.015	.38	.079	2.01	100	30.5	.9	.4	1-10, 13
						1000	304.8	8.0	3.6	1-10, 13
						5000	1524.0	40.0	18.2	1-10, 13
9916	16 (26x30)	.015	.38	.092	2.34	100	30.5	1.3	.6	1-5, 7-10, 13
						1000	304.8	12.0	5.5	1-5, 7-10, 13
						5000	1524.0	55.0	25.0	1-5, 7-10, 13

UL AWM Style 1569 • CSA Type TR-64 and TRSR-64

9989	14 (41x30)	.015	.38	.110	2.79	1000	304.8	17.0	7.7	1-5, 7-10, 13
						5000	1524.0	85.0	38.6	1-5, 7-10, 13

300V, 80°C (UL) • 300V, 90°C (CSA)

UL AWM Style 1007 • CSA Type TR-64 • JQA-F-

32822	22 (7x30) [.36 (7x.25)]	.015	.38	.062	1.58	5000 [†]	1524.0	25.0	11.4	1-5, 7-9, 10, 13
32820	20 (7x28) [.56 (7x.32)]	.015	.38	.068	1.73	5000 [†]	1524.0	30.0	13.6	9, 10

[†]Spools may contain more than one piece. Length may vary ±10% from length shown.



Technical Information

Insulation Characteristics and Color Codes

Table 1: Insulation Characteristics

Insulation	Temperature Rating	UL Voltage Rating (Volts)	Oil Resistance	Ozone Resistance	Abrasion	Flame Resistance
Neoprene	90°C	300/600	Good	Good	Good	Good
PVC	80°C	300	Good-Excellent	Good-Excellent	Good	Excellent
	105°C	600	Good-Excellent	Good-Excellent	Good	Excellent
Hypalon®	105°C	300/600	Good	Excellent	Good	Good
XL-Dur®	105°C	300	Good	Good	Excellent	Fair-Good
Cross-Linked Polyethylene	125°C	600	Good	Good	Excellent	Fair-Good
	150°C	600	Good	Good	Excellent	Fair-Good
EPDM	125°C	600	Fair-Poor	Good	Good	Fair
	150°C	600	Fair-Poor	Good	Good	Fair
Silicone Rubber	150°C	300	Fair	Good	Poor	Good
	200°C	600	Fair	Good	Poor	Good
Silicone Rubber Glass Braid	150°C	600	Fair	Excellent	Excellent	Good
	200°C	600	Fair	Excellent	Excellent	Good
Teflon®	150°C	300	Excellent	Excellent	Excellent	Excellent
	200°C	300	Excellent	Excellent	Excellent	Excellent
	260°C	300	Excellent	Excellent	Excellent	Excellent

Table 2: Lead Wire Color Code Chart

Color No.	Color Combination	Color No.	Color Combination	Color No.	Color Combination
1	Brown	13	Dark Blue	25	White/Black/Yellow
2	Red	14	White/Black	26	White/Black/Blue
3	Orange	15	White/Red	27	White/Black/Brown
4	Yellow	16	White/Green	28	White/Black/Orange
5	Green	17	White/Yellow	29	White/Black/Gray
6	Light Blue	18	White/Blue	30	White/Black/Violet
7	Violet	19	White/Brown	189	Green/Yellow
8	Gray (Slate)	20	White/Orange	620	Green/min. 30% Yellow
9	White	21	White/Gray	876	Nickel Gray
10	Black	22	White/Violet	802	Purple
11	Tan	23	White/Black/Red		
12	Pink	24	White/Black/Green		

Non-Stock Colors: Non-stock colors and stripes of catalog items are available in minimum quantities. Price and delivery information is available upon request. Orders must be in multiples of standard packages.

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